

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/561902
Source: IFWP
Date Processed by STIC: 1/3/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 01/03/2006

PATENT APPLICATION: US/10/561,902

TIME: 11:33:18

Input Set : N:\RJAVED\10561902.txt

Output Set: N:\CRF4\01032006\J561902.raw

```

3 <110> APPLICANT: Universitätsklinikum Freiburg
5 <120> TITLE OF INVENTION: Modulation of Osteoblast Activity by Fhl2
7 <130> FILE REFERENCE: Fhl2
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/561,902
C--> 9 <141> CURRENT FILING DATE: 2005-12-21
9 <160> NUMBER OF SEQ ID NOS: 3
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 840
15 <212> TYPE: DNA
16 <213> ORGANISM: homo sapiens
18 <400> SEQUENCE: 1
19 atgactgagc gctttgactg ccaccattgc aacgaatctc tctttggcaa gaagtacatc      60
21 ctgcgaggag agagccccta ctgctgtgtg tgctttgaga ccctgttcgc caacacctgc      120
23 gaggagtgtg ggaagcccat cggctgtgac tgcaaggact tgtcttataa ggaccggcac      180
25 tggcatgaag cctgtttcca ctgctgcgag tgcagaaact cactggtgga caagcccttt      240
27 gctgccaagg aggaccagct gctctgtaca gactgctatt ccaacgagta ctcaccaag      300
29 tgccaggaat gcaagaagac catcatgccg ggtaccgcga agatggagta caagggcagc      360
31 agctggcatg agacctgctt catctgccac cgctgccagc agccaattgg aaccaagagt      420
33 ttcaccccca aagacaatca gaatttctgt gtgccctgct atgagaaaaca acatgccatg      480
35 cagtgcgttc agtgcaaaaa gcccatcacc acgggagggg tcacttaccg ggagcagccc      540
37 tggcacaagg agtgcttcgt gtgcaccgcc tgcaggaagc agctgtctgg gcagcgcttc      600
39 acagctcgcg atgactttgc ctactgctgt aactgcttct gtgacttgta tgccaagaag      660
41 tgtgctgggt gcaccaaccc catcagcgga cttggtggca caaaatacat ctcctttgag      720
43 gaacggcagt ggcataacga ctgctttaac tgtaagaagt gctccctctc actggtgggg      780
45 cgtggcttcc tcacagagag ggacgacatc ctgtgccccg actgtgggaa agacatctga      840
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 279
50 <212> TYPE: PRT
51 <213> ORGANISM: homo sapiens
53 <400> SEQUENCE: 2
55 Met Thr Glu Arg Phe Asp Cys His His Cys Asn Glu Ser Leu Phe Gly
56 1          5          10          15
59 Lys Lys Tyr Ile Leu Arg Glu Glu Ser Pro Tyr Cys Val Val Cys Phe
60          20          25          30
63 Glu Thr Leu Phe Ala Asn Thr Cys Glu Glu Cys Gly Lys Pro Ile Gly
64          35          40          45
67 Cys Asp Cys Lys Asp Leu Ser Tyr Lys Asp Arg His Trp His Glu Ala
68          50          55          60
71 Cys Phe His Cys Ser Gln Cys Arg Asn Ser Leu Val Asp Lys Pro Phe
72 65          70          75          80
75 Ala Ala Lys Glu Asp Gln Leu Leu Cys Thr Asp Cys Tyr Ser Asn Glu
76          85          90          95

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/561,902

DATE: 01/03/2006

TIME: 11:33:18

Input Set : N:\RJAVED\10561902.txt

Output Set: N:\CRF4\01032006\J561902.raw

```

79 Tyr Ser Ser Lys Cys Gln Glu Cys Lys Lys Thr Ile Met Pro Gly Thr
80          100          105          110
83 Arg Lys Met Glu Tyr Lys Gly Ser Ser Trp His Glu Thr Cys Phe Ile
84          115          120          125
87 Cys His Arg Cys Gln Gln Pro Ile Gly Thr Lys Ser Phe Ile Pro Lys
88          130          135          140
91 Asp Asn Gln Asn Phe Cys Val Pro Cys Tyr Glu Lys Gln His Ala Met
92 145          150          155          160
95 Gln Cys Val Gln Cys Lys Lys Pro Ile Thr Thr Gly Gly Val Thr Tyr
96          165          170          175
99 Arg Glu Gln Pro Trp His Lys Glu Cys Phe Val Cys Thr Ala Cys Arg
100          180          185          190
103 Lys Gln Leu Ser Gly Gln Arg Phe Thr Ala Arg Asp Asp Phe Ala Tyr
104          195          200          205
107 Cys Leu Asn Cys Phe Cys Asp Leu Tyr Ala Lys Lys Cys Ala Gly Cys
108          210          215          220
111 Thr Asn Pro Ile Ser Gly Leu Gly Gly Thr Lys Tyr Ile Ser Phe Glu
112 225          230          235          240
115 Glu Arg Gln Trp His Asn Asp Cys Phe Asn Cys Lys Lys Cys Ser Leu
116          245          250          255
119 Ser Leu Val Gly Arg Gly Phe Leu Thr Glu Arg Asp Asp Ile Leu Cys
120          260          265          270
123 Pro Asp Cys Gly Lys Asp Ile
124          275
127 <210> SEQ ID NO: 3
128 <211> LENGTH: 1892
129 <212> TYPE: DNA
130 <213> ORGANISM: homo sapiens
132 <400> SEQUENCE: 3
133 aggggtacggg ccgggaccgc cgcagcccgg ggcgggggca cggcaaccgc gaggcctggg      60
135 ggcgcccgcc ccccgcgccc cagccccggg gccagcgagc cgaggcgtgc atctccttat      120
137 atgggtcaaat gacacggcgg ggtttctcga ggcgaggagc tgcgcagcgc tccactcggc      180
139 cggcagcgga gccgcagcca ccagccgcc cgcctctcca gcccgtccg ggagtcctcc      240
141 gcccgctgcg gtgccgtgag tacctccaac cccctgcgcc ccggaggagg gccgaggggc      300
143 ttagccacca gggctcggaa gtggggggccg aatccgggtgc gagaccaag gagaggggag      360
145 cagagccgga gttggggaga ctgtggctga aaactgtgtc ttcttgagga ctaggctggc      420
147 attttgactt tgggacggag tctcgctttg tcgccaggc tggagtgcag tggcacgac      480
149 tcagctcact gcaagctcta cctcttggtt cagccattc tcctgcccc gctcccaag      540
151 tagctgggac tacaggttgc tgaaaagcca ggagtcaaaa tgactgagcg ctttgactgc      600
153 caccattgca acgaatctct ctttggaag aagtacatcc tgcgggagga gagcccctac      660
155 tgcgtggtgt gctttgagac cctgttcgcc aacacctgcg aggagtgtgg gaagcccac      720
157 ggctgtgact gcaaggactt gtcttacaag gaccggcact ggcatgaagc ctgtttccac      780
159 tgctcgcagt gcagaaactc actggtggac aagccctttg ctgccaagga ggaccagctg      840
161 ctctgtacag actgctattc caacgagtac tcatccaagt gccaggaatg caagaagacc      900
163 atcatgccag gtacccgcaa gatggagtac aagggcagca gctggcatga gacctgcttc      960
165 atctgccacc gctgccagca gccaatgga accaagagtt tcatcccaa agacaatcag      1020
167 aatttctgtg tgccctgcta tgagaaacaa catgccatgc agtgcggttca gtgcaaaaag      1080
169 cccatcacca cgggaggggt cacttaccgg gagcagccct ggcacaagga gtgcttcgtg      1140
171 tgcaccgcct gcaggaagca gctgtctggg cagcgcttca cagctcgcga tgactttgcc      1200

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/561,902

DATE: 01/03/2006

TIME: 11:33:18

Input Set : N:\RJAVED\10561902.txt

Output Set: N:\CRF4\01032006\J561902.raw

173	tactgcctga	actgcttctg	tgacttgtat	gccaagaagt	gtgctgggtg	caccaacccc	1260
175	atcagcggac	ttggtggcac	aaaatacatc	tcctttgagg	aacggcagtg	gcataacgac	1320
177	tgctttaact	gtaagaagtg	ctccctctca	ctggtggggc	gtggcttcct	cacagagagg	1380
179	gacgacatcc	tgtgccccga	ctgtgggaaa	gacatctgaa	ttcaacacag	agaagttgct	1440
181	gcttgtgatc	tcacacacag	atTTTTatgt	tttctttctc	acccaggcaa	tcttgccctc	1500
183	tggtttcttc	cagccacatt	gagactttct	tctagtgtt	ttcagtata	ctcacgtttg	1560
185	cttaaaccct	ttagtgttt	gtgatagttc	agtcccaggg	aaagagaaaa	ctcgccctag	1620
187	gccctagggtg	ggaagatggt	ttgaaatTTT	tgtaatcgag	taaggcacac	ccaaatgtaa	1680
189	aaatcctttt	gaatgatgcc	tttataaatc	tttctctcac	tgtctattta	agtgaatta	1740
191	acatatgtca	cgaacttgaa	agttttctaa	actcaataag	gtaatgacca	gttgttattt	1800
193	acagctctgt	aacctcccg	tgcgtcaagt	ctaaaccaag	attatgtgac	ttgcaataaa	1860
195	gttattcaga	acagaaaaaa	aaaaaaaaaa	aa			1892

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/561,902

DATE: 01/03/2006

TIME: 11:33:19

Input Set : N:\RJAVED\10561902.txt

Output Set: N:\CRF4\01032006\J561902.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date